

**MODEL NO.: YSI-623****YSI DRY STERILIZER**

**REDUCTION OF BACTERIAL LEVELS :** Lowering of bacterial levels to a present level.

**STERILIZATION :** Reduction of microbial spore forms upto 12 log reduction.

**DE-PYROGENATION :** Denaturing of microbial end ( )toxins in the material.

These sterilizers are suitable for the treatment of the following materials.

- Glassware (Containers such as ampoules, vials etc.).
- Metal trays.
- Containers and metal material.
- Machine and accessories used in production.
- Various types of humidity sensitive material.
- Basic pharmaceutical products which can withstand heat treatment at high temperatures.

**The Process :**

The sterilization systems have been designed to work at a maximum temperature upto 250 °C

- The exhaust phase has been designed for moisture removal from the washed load.
- The heat-up phase increases the temperature of the load from ambient temperature to the sterilization temperature.
- The sterilization phase consists of the balancing period, the sterilization hold time and a safety period.
- The cooling phase cools the load to the desired temperature by rapid air-change convection technique.
- The unloading phase continues to maintain over-pressure in the chamber for containment barrier.
- Special air-flow technique guarantees over-pressure in chamber through-out the cycle for 100% sterile integrity of the load.

**Construction :**

Sterilization chambers are designed and built to conform with the most advanced technology and comply to international standards.

- Sterilization chambers in S.S. 304 or S.S. 316 Stainless Steel



- with argon welding.
- Chamber construction with full welding and rounded corners for easy cleaning to ensure classic hygiene.
- Advanced gasket design for positive seal and longer gasket life. Expansion compensation structure and reduced heat losses.
- Stainless steel sheathed heating elements for reduced particle generation and longer life.
- New rapid air-change convection cooling technique for faster cooling.
- Contamination seals to prevent air transfer when the sterilizer has been installed between two areas of different contamination levels.
- Specially designed pressure modules with HEPA filters (0.3 micron, 99.997% performance) for fresh air supply (Optional).